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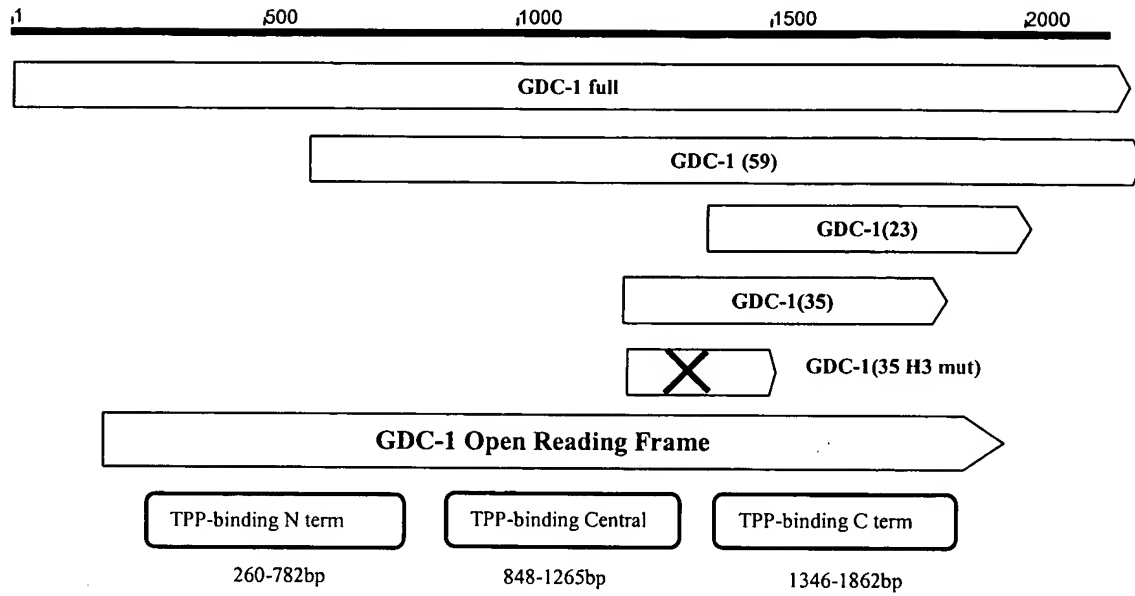


FIG. 1

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      *      20      *      40      *      60      *
GDC-1(full) : MASINIRVQNLEQPMQVAEYLFRRLHEIGIRSIHGLPGDYNPLALDYLPSGCLRUVGSGVNELNAAYAADGYARVK : 75
GDC-1_(23) : ----- : -
GDC-1_(35) : ----- : -
GDC-1_(59) : ----- : -

      *
      80      *      100      *      120      *      140      *
GDC-1(full) : QMGALITTFVGVELSAINGVAGAFSEHVPPVHIVGCPSTASQRNGMLLHHTLGNQDFNIFANMSAQISCEVAKLT : 150
GDC-1_(23) : ----- : -
GDC-1_(35) : ----- : -
GDC-1_(59) : -----RNGMLLHHTLGNQDFNIFANMSAQISCEVAKLT : 33

      160      *      180      *      200      *      220
GDC-1(full) : NPAETATQIDHALRVCFIRSRPVYIHLPTDNVOAKVEGARLKEPIDLSEPPNDPEKEAYVVDVVLKYLRAAKNPV : 225
GDC-1_(23) : ----- : -
GDC-1_(35) : ----- : -
GDC-1_(59) : NPAETATQIDHALRVCFIRSRPVYIHLPTDNVOAKVEGARLKEPIDLSEPPNDPEKEAYVVDVVLKYLRAAKNPV : 108

      *      240      *      260      *      280      *      300
GDC-1(full) : ILVDACAIRHRVLDDEVHDLIEKTNLPVFVTPMGKGAVNEEHPTYGGVYAGDGSHPPOVKDMVESSDLILTTIGALK : 300
GDC-1_(23) : ----- : -
GDC-1_(35) : ----- : -
GDC-1_(59) : ILVDACAIRHRVLDDEVHDLIEKTNLPVFVTPMGKGAVNEEHPTYGGVYAGDGSHPPOVKDMVESSDLILTTIGALK : 183

      *      320      *      340      *      360      *
GDC-1(full) : SDFTAGFSYRTSQLNTIDLHSDHCIVKYSTYPGVQMRGVLQVQIKQLDASEINAQPAPVVENEVAKNRDMSFVI : 375
GDC-1_(23) : ----- : -
GDC-1_(35) : -----TYPGVQMRGVLQVQIKQLDASEINAQPAPVVENEVAKNRDMSFVI : 45
GDC-1_(59) : SDFTAGFSYRTSQLNTIDLHSDHCIVKYSTYPGVQMRGVLQVQIKQLDASEINAQPAPVVENEVAKNRDMSFVI : 258
                      typgvqmrqvlrqvikqldaseinaqpapvvenevaknrdnspvi

      380      *      400      *      420      *      440      *
GDC-1(full) : TQAFFWPRVGEFLKKNNDIVITETGTANFGIWDTKFPSGVTALSQVLWGSIGWSVGACQGAFLAAADDMSDRRTIL : 450
GDC-1_(23) : ---FFWPRVGEFLKKNNDIVITETGTANFGIWDTKFPSGVTALSQVLWGSIGWSVGACQGAFLAAADDMSDRRTIL : 72
GDC-1_(35) : TQAFFWPRVGEFLKKNNDIVITETGTANFGIWDTKFPSGVTALSQVLWGSIGWSVGACQGAFLAAADDMSDRRTIL : 120
GDC-1_(59) : TQAFFWPRVGEFLKKNNDIVITETGTANFGIWDTKFPSGVTALSQVLWGSIGWSVGACQGAFLAAADDMSDRRTIL : 333
                      tqaffwprvgeflkknndivitetgtanfgiwdtkfpsgvtalsqvlwgsigwsvgacqgavlaaaddmsdrtil

      460      *      480      *      500      *      520
GDC-1(full) : FVGDGSFQLTAQELSTMIRLKLKPIIFVICNDGFTIERFIHGHEAEYNDIANWDFKALVDVFGGSKTAKKFAVKT : 525
GDC-1_(23) : FVGDGSFQLTAQELSTMIRLKLKPIIFVICNDGFTIERFIHGHEAEYNDIANWDFKALVDVFGGSKTAKKFAVKT : 147
GDC-1_(35) : FVGDGSFQLTAQELSTMIRLKLKPIIFVICNDGFTIERFIHGHEAEYNDIANWDFKALVDVFGGSKTAKKFAVKT : 195
GDC-1_(59) : FVGDGSFQLTAQELSTMIRLKLKPIIFVICNDGFTIERFIHGHEAEYNDIANWDFKALVDVFGGSKTAKKFAVKT : 408
                      FVGDGSFQLTAQELSTMIRLKLKPIIFVICNDGFTIERFIHGHEAEYNDIANWDFKALVDVFGGSKTAKKFAVKT

      *      540      *      560      *
GDC-1(full) : KDELDSSLTDPTFMAAECLQFVELYMPKEDAPRALINTAEASARNNAKTE : 575
GDC-1_(23) : KDELDSSLTDPTFMAAECLQFVELYMPKEDAPRALINTAEASARNNAKTE : 197
GDC-1_(35) : KDELDSSLTDPTFMAAECLQFVELYMPKEDAPRALINTAEASARNNAKTE : 226
GDC-1_(59) : KDELDSSLTDPTFMAAECLQFVELYMPKEDAPRALINTAEASARNNAKTE : 458
                      KDELDSSLTDPTFMAAECLQFVELYMPKEDAPRALINTAEASARNNA*te
    
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FIG. 2

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      *      20      *      40      *      60      *
GDC-1(full) : MASINIRVONLEQPMDAEYLFRLHEIGIRSIHCLPGDYMLALDYLPESGG-LRWVCSVMELNAAAYADGYARV : 74
A_oryzae-PDC : -----MSISTSSGDFVRUAFVQYTVFVYSINAPADYVNLVALDYLPKED-LHWVGNCHMELNAGYAADGYARI : 66
E._nidulans_PDC : --MADIATRDYRQPDIAEYLFRLHEVGVIRSVHGVPGDYMLAALDYLPKEG-LHWVGNCHMELNAGYAADGYARV : 72
S.cer_PDC1 : -----MSEITLGGKYLFRILKQVNVNTVFLPGDFMLSLLDKIYEVECHRMAGNAGMELNARYAADGYARI : 64
S.cer_PDC5 : -----MSEITLGGKYLFRILSQVNCNTVFLPGDFMLSLMLKLYEVKCHRMAGNAGMELNAAAYADGYARI : 64
              yLf r1 6 36 g pgD5N* L1 6 6 W Gn NELNA YAADGYAR6

      80      *      100      *      120      *      140      *
GDC-1(full) : KMGALITTFVGVELSALMGVAGAFSEHVPVHHVGCPTASQRNCHLLHHTLGNCGDFNIFAMISAQISCEVAKL : 149
A_oryzae-PDC : NGMSALVTTFVGVELSALMALAGAFSEFPIVHVGCQEHKQKQDCHLLHHTLGNCGDFNVFTRMSADISCLGCL : 141
E._nidulans_PDC : NGIAALVTTFVGVELSALMALAGAFSEFPIIHHVGCQHSRQKDCLLHHTLGNCGDYNVFSNNKGISVITIANL : 147
S.cer_PDC1 : KMGSCITTFVGVELSALMGVAGAFSEHVPVHHVGCPTASQRNCHLLHHTLGNCGDFNIFAMISAQISCEVAKL : 139
S.cer_PDC5 : KMGSCITTFVGVELSALMGVAGAFSEHVPVHHVGCPTASQRNCHLLHHTLGNCGDFNIFAMISAQISCEVAKL : 139
              g6 66TTFVGVELSA6N 6AG 5 E V 66H6VG P *SQ 6LLHHTLGNCGD5 6F Msa IS t a 6

      160      *      180      *      200      *      220
GDC-1(full) : EMPAEIATGLIHAFVCFTRSRPVYIMLFDPMVQAKVGGARLKEPIDLSEPMDFPEKAYVVDVVKYLR--AA : 222
A_oryzae-PDC : NSTHEVATLIDNAIFEGMTSRPVYISLPDMVTKIKIEGERIDTFLDLSEPMDFPEKEDYVVDVVKYLRHA--AA : 214
E._nidulans_PDC : NQTYDAATLIDNAIFEGMTSRPVYIALPDMITKKIKIEGERLKTPIDLSEPMDFPEKEDYVLDARAQVFAARSAR : 222
S.cer_PDC1 : IDICTAPAEIDRCISTITTYTORPVYLGPAHLVOLNVPAKLIDTPIIDHSILKPHDAESEKEVITDTILVLAKD--AA : 212
S.cer_PDC5 : IDIRNAPAEIDRCISTITTYTORPVYLGPAHLVOLNVPAKLIDTPIIDHSILKPHDAEAEAEVVRTVVEFIKD--AA : 212
              ID 6R 5 RPYV6 LP 166 6 L tP6D6S1 pND E E V6 AK

      *      240      *      260      *      280      *      300
GDC-1(full) : NPVILVDACAIRHR-----NDEVDHDIIEKIMLPEVFI PHGKGAVIDEHEITYGGVYAGCGSHPPQVDMWSESDLI : 293
A_oryzae-PDC : KPVILVDACAIRHR-----NDEVEHFPEKSGLPFVAPHGKCAVDETHNYGGVYAGTGSNP-CVREQVESDILI : 284
E._nidulans_PDC : NPVILDDSEVFDDSTGLSEEDVDEVSGLPTFVAPHGKCAVDETHRCYGGVYAGTGSNP-CVREQVESDILI : 296
S.cer_PDC1 : NPVILADACESRHD-----NKAETKKLIDLTQFFPAFVPHGKCSI SEQHRYGGVYVETLSKP-EVREAVESADLI : 282
S.cer_PDC5 : NPVILADACESRHD-----NKAETKKLIDLTQFFVFI PHGKAIDEQHRYGGVYVETLSRP-EVVKAVESADLI : 282
              nPVIL Dac rh v E 16 3 P 5V PMKGA6 E H YGGVY Gt S P V4 VES DLI

      *      320      *      340      *      360      *
GDC-1(full) : LTIGALKSDFNTAGFSYRISQVNTIDLHSDHCIVVYSYTPGVQHGVDRQVTKQLDASEINAOAPV-VNEVEAK : 367
A_oryzae-PDC : LSIGALKSDFNTAGFSYRIGQVNTIDHSTYVVRVYSEYFDIMHCVLQRIWQRMGNLVGPVSPSPS-NLLEDNE : 358
E._nidulans_PDC : LSIGALKSDFNTAGFSYRIGQVNTIDHSTYVVRVYSEYFDIMHCVLQRIWQRMGNLVGPVSPSPS-NLLEDNE : 358
S.cer_PDC1 : LSVGALLSDFNTAGFSYRIGQVNTIDHSTYVVRVYSEYFDIMHCVLQRIWQRMGNLVGPVSPSPS-NLLEDNE : 370
S.cer_PDC5 : LSIGALLSDFNTAGFSYRIGQVNTIDHSTYVVRVYSEYFDIMHCVLQRIWQRMGNLVGPVSPSPS-NLLEDNE : 357
              L36GA6 SDFNT FSY N 6 FH3 64 5P M4 vL k66 6 p p

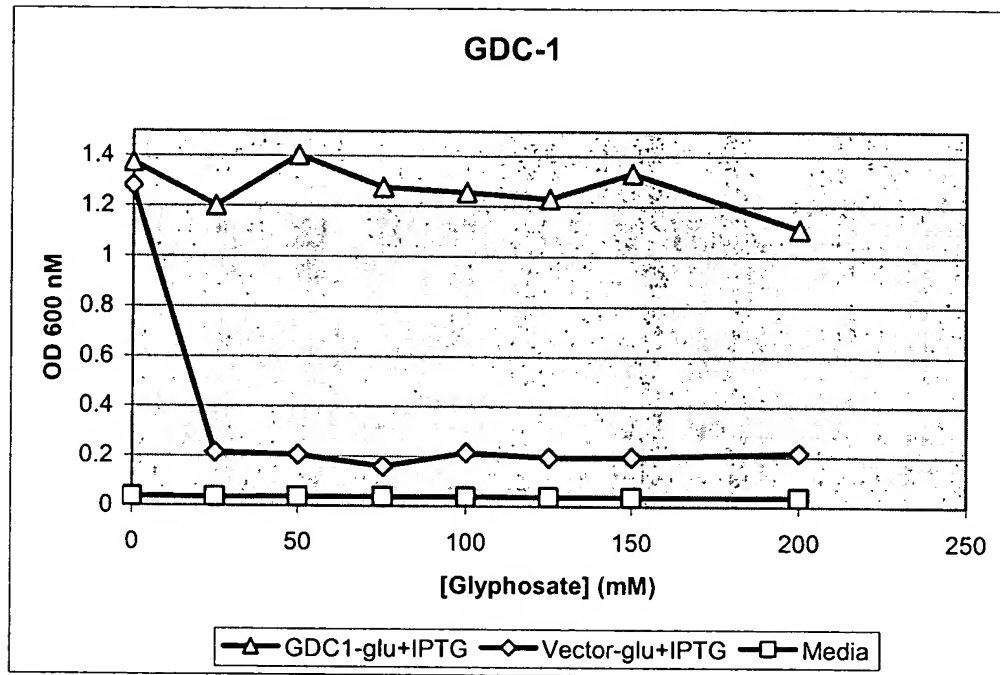
      380      *      400      *      420      *      440      *
GDC-1(full) : NRDNSPVITQAFVPRVGEFLKNDIVIVETGTANFGIUDIKFFSCVTALSQVLWGSIGSVGAGCAVLAADDD : 442
A_oryzae-PDC : KASTEQALTHANLWETVGCNLLKQKVIVETGTANFGIUDIRFPAGVTALISQVLWGSIGSVGAGCAVLAADDD : 433
E._nidulans_PDC : KNSSEQRITHANLWETVGCNLLKQKVIVETGTANFGIUDIRFPAGVTALISQVLWGSIGSVGAGCAVLAADDD : 445
S.cer_PDC1 : AVPASTPKQEMNNMNLGNFLQGVVIAETGTSAFGINOTTFPNTYGISQVLWGSIGFTTGATLCAAFPAEEI : 432
S.cer_PDC5 : STPANTPKQEMNNMNLGNFLQGVVIAETGTSAFGINOTTFPNTYGISQVLWGSIGFTTGATLCAAFPAEEI : 432
              6 5 W 6G 5L e D6VI ETGT FGI t fP 6sQVLWGSIGS3vGA GA AA e

      460      *      480      *      500      *      520
GDC-1(full) : NSDFRIVILFVGDGSEQLTAEQSTHRIPLKPKPIFVIGMDGFTIERFIHGDEAVYDDIANNQFKALVDVFGSKT : 517
A_oryzae-PDC : G--RFRIVLFVGDGSEQLTAEQSTHRIPLKPKPIFVIGMDGFTIERFIHGDEAVYDDIANNQFKALVDVFGSKT : 506
E._nidulans_PDC : GN--RFRIVLFVGDGSEQLTAEQSTHRIPLKPKPIFVIGMDGFTIERFIHGDEAVYDDIANNQFKALVDVFGSKT : 519
S.cer_PDC1 : DPKRFRVILFVGDGSEQLTAEQSTHRIPLKPKPIFVIGMDGFTIERFIHGDEAVYDDIANNQFKALVDVFGSKT : 506
S.cer_PDC5 : DPKRFRVILFVGDGSEQLTAEQSTHRIPLKPKPIFVIGMDGFTIERFIHGDEAVYDDIANNQFKALVDVFGSKT : 506
              4R 6L56GDGS QLT QE6STMIR L P 6FV6 n G5TIE4 IHG a YN Iq WD 6 FG

      *      540      *      560      *      580
GDC-1(full) : AKKFAKTKQDEDSLTQPTNAAEGLQFVEYVMPKEDAPRAEDTAEASARNNAKTE : 575
A_oryzae-PDC : YKGYAVITRDEIRLFAEEFASAPELQFEIDSRIGR----- : 543
E._nidulans_PDC : YKGYAVITRDEIRLFAEEFASAPELQFEIDSRIGR----- : 566
S.cer_PDC1 : YETHRVATIGEDKLTQDKSFNDNSKIRMLIEVMLEVDAPONLYEQAQLTAATNAKQ- : 563
S.cer_PDC5 : YETHRVATIGEDKLTQDKSFNDNSKIRMLIEVMLEVDAPONLYEQAQLTAATNAKQ- : 563
              y V T E L F 6
    
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FIG. 3

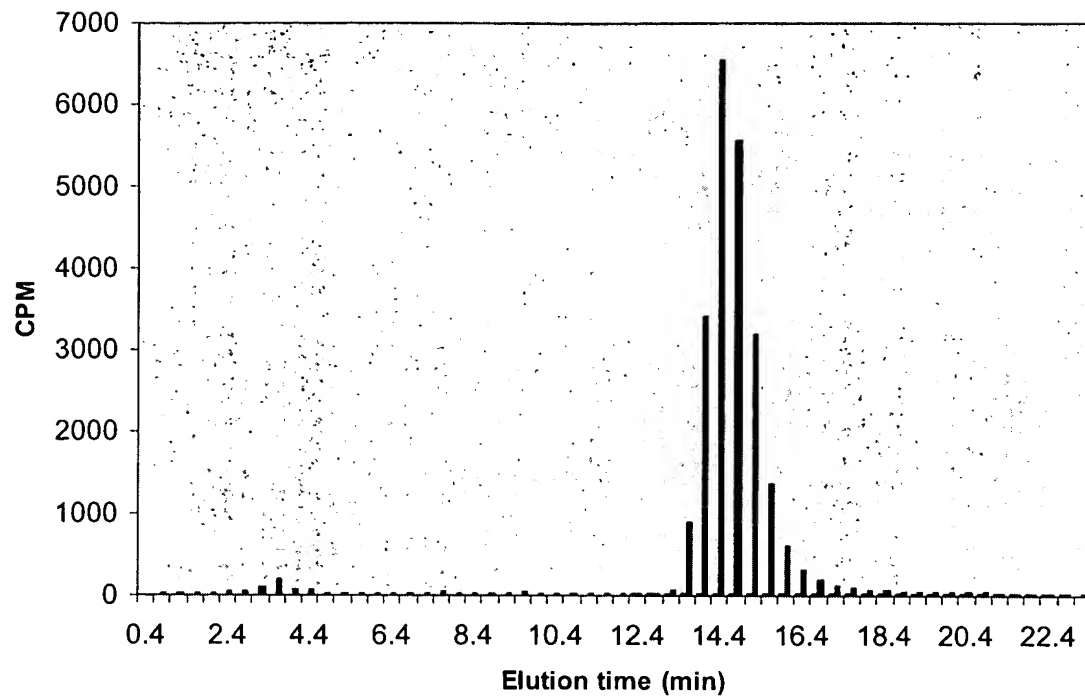
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**FIG. 4**

A.

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B.

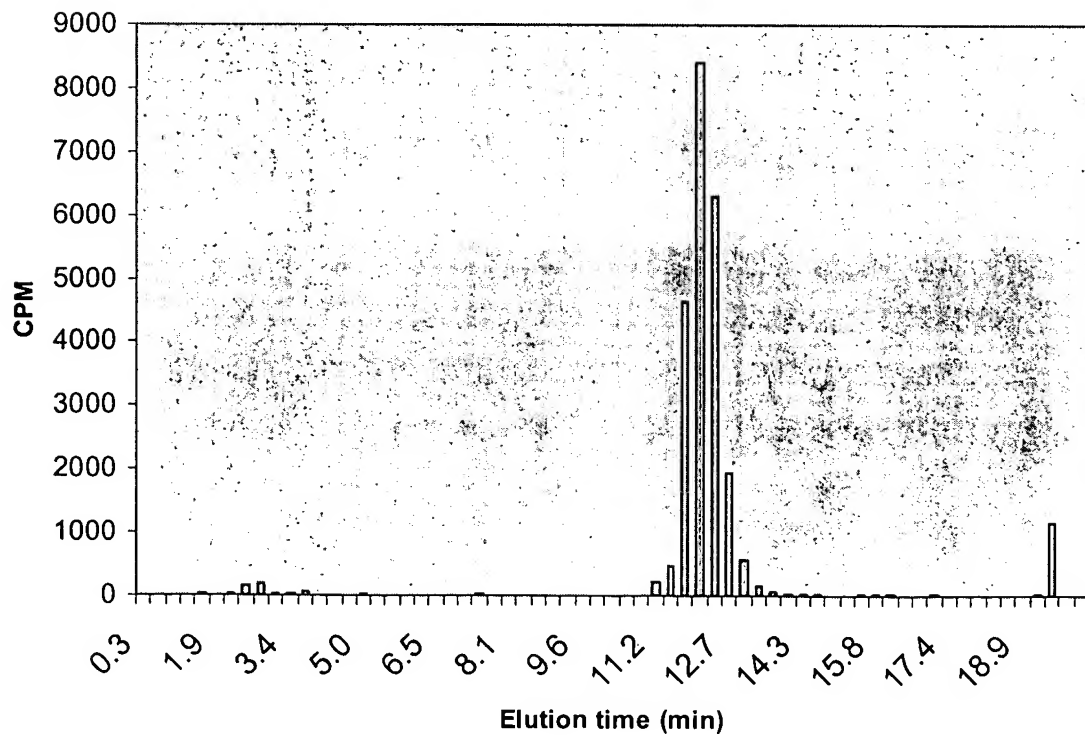


FIG. 5